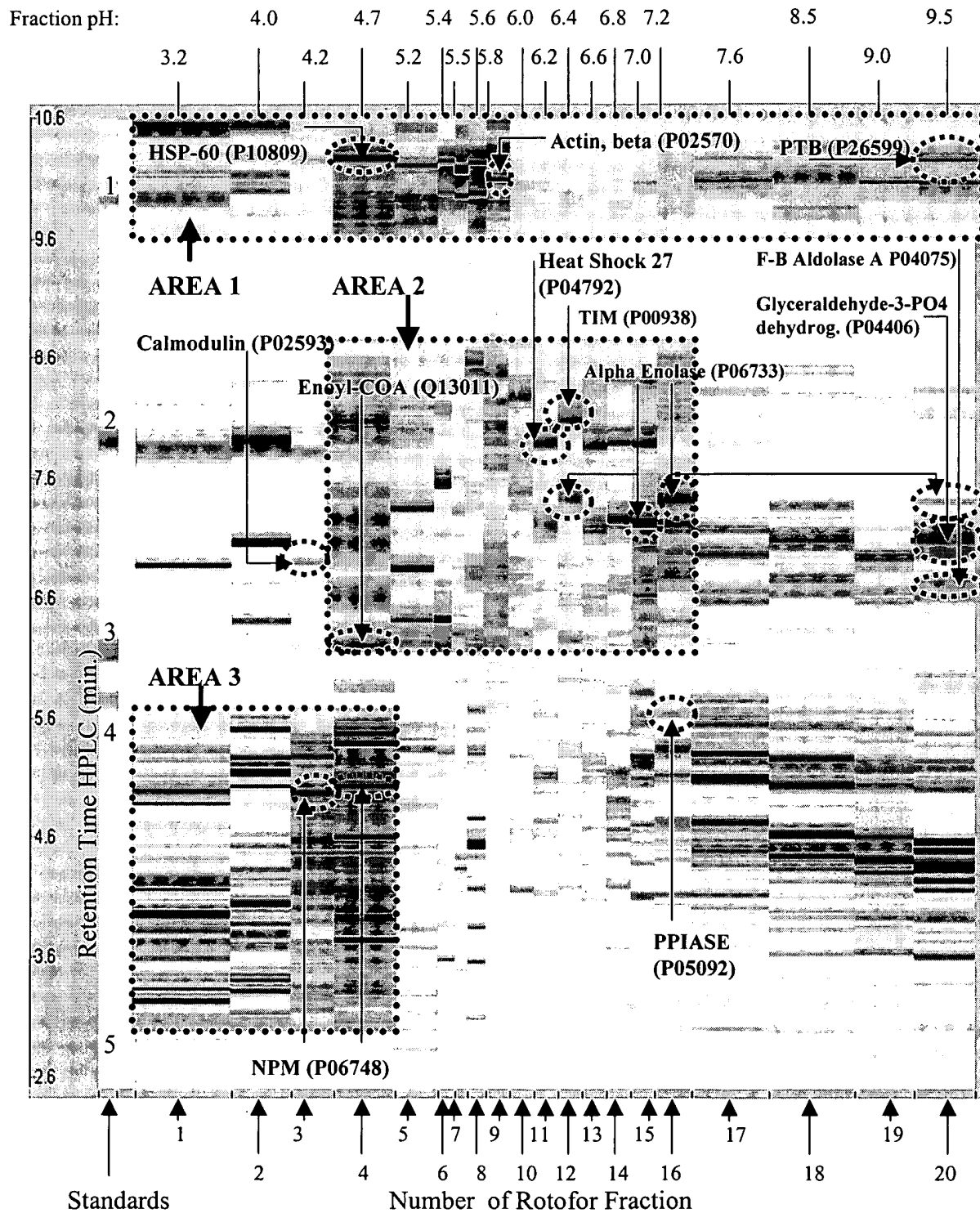


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Figure 1



• 1 = Ovalbumin (45 kDa), 2 = Carbonic Anhydrase (29 kDa), 3 = BSA (67 kDa),

Figure 2

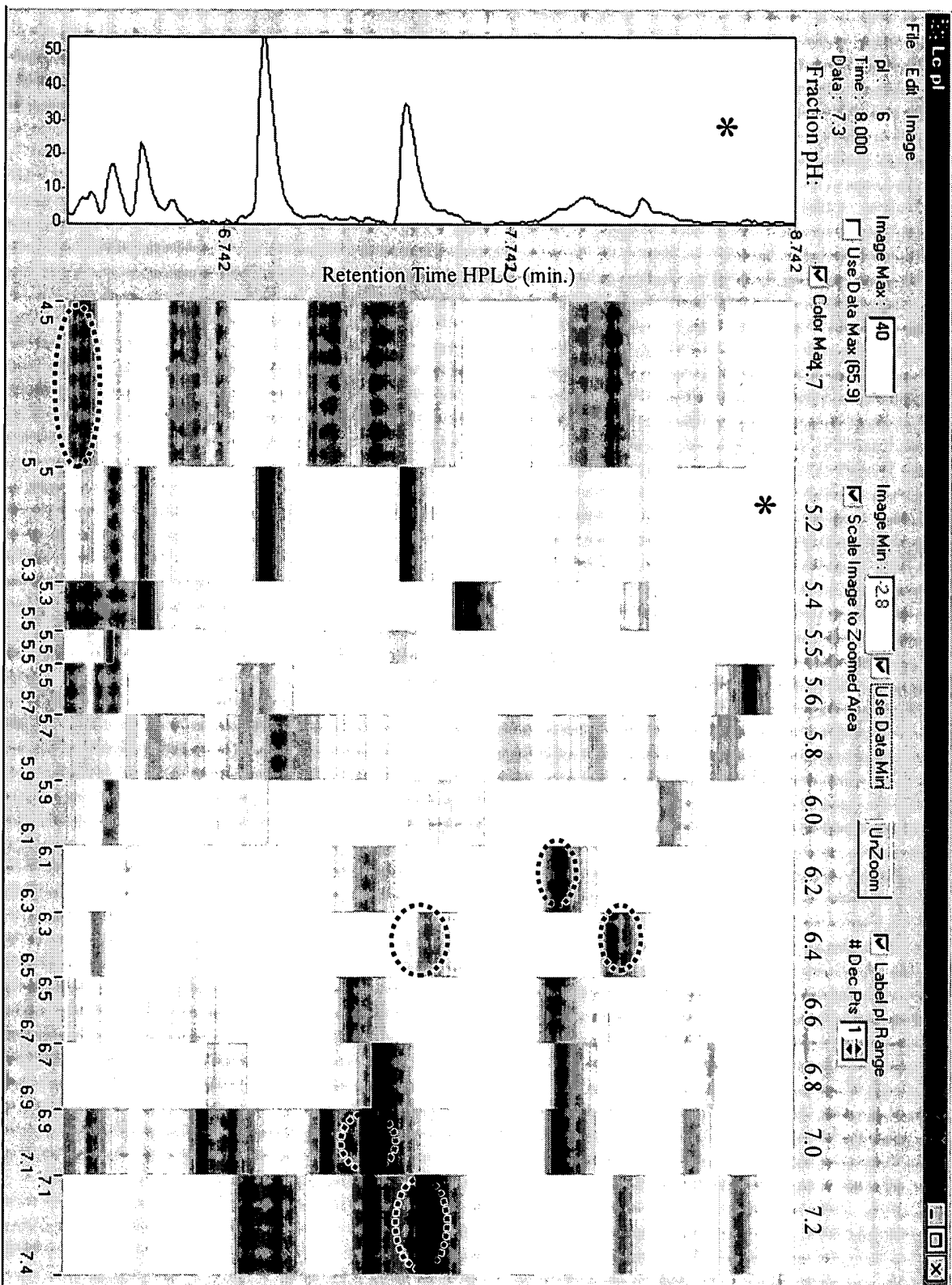


Figure 3

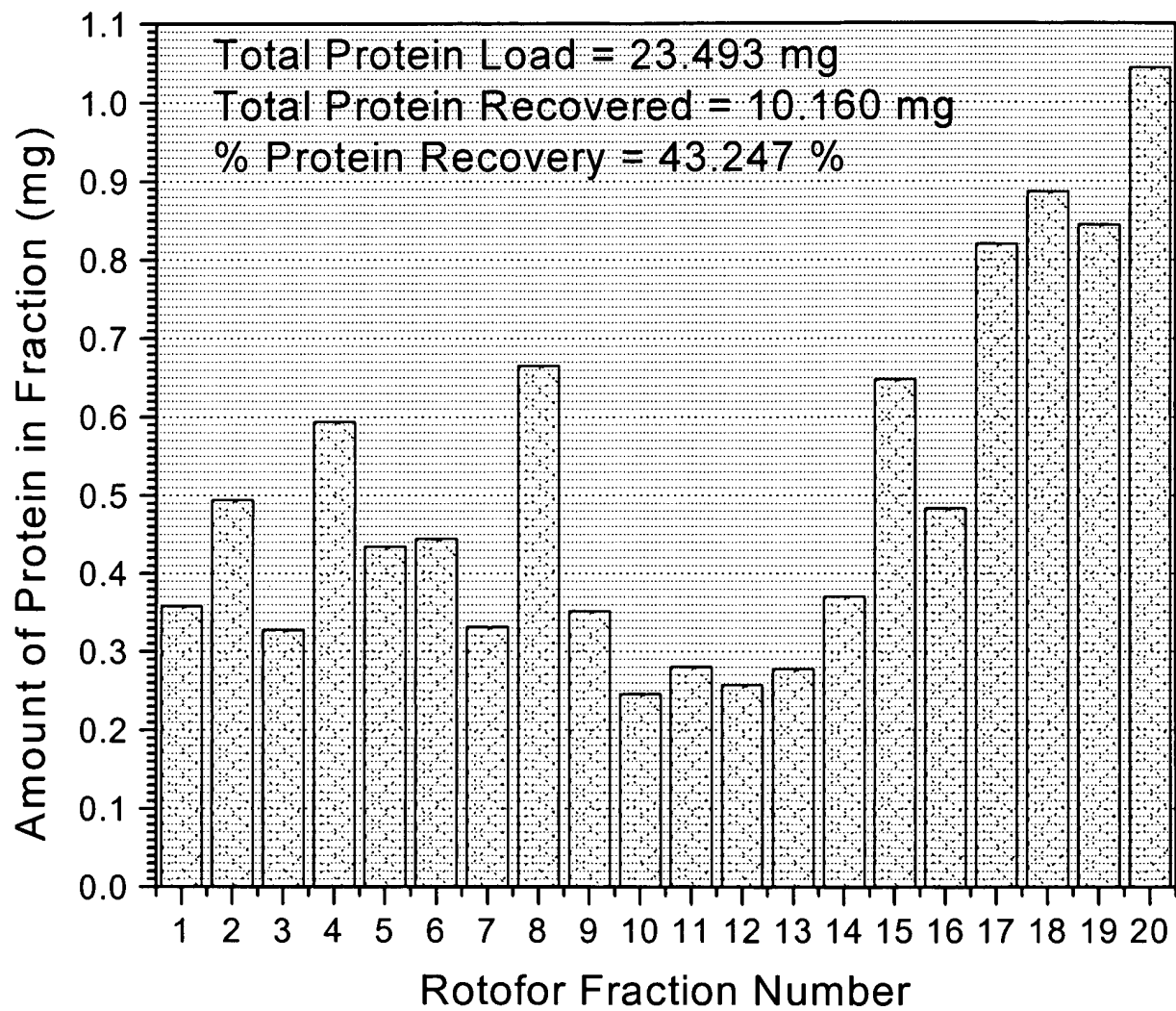


Figure 5A

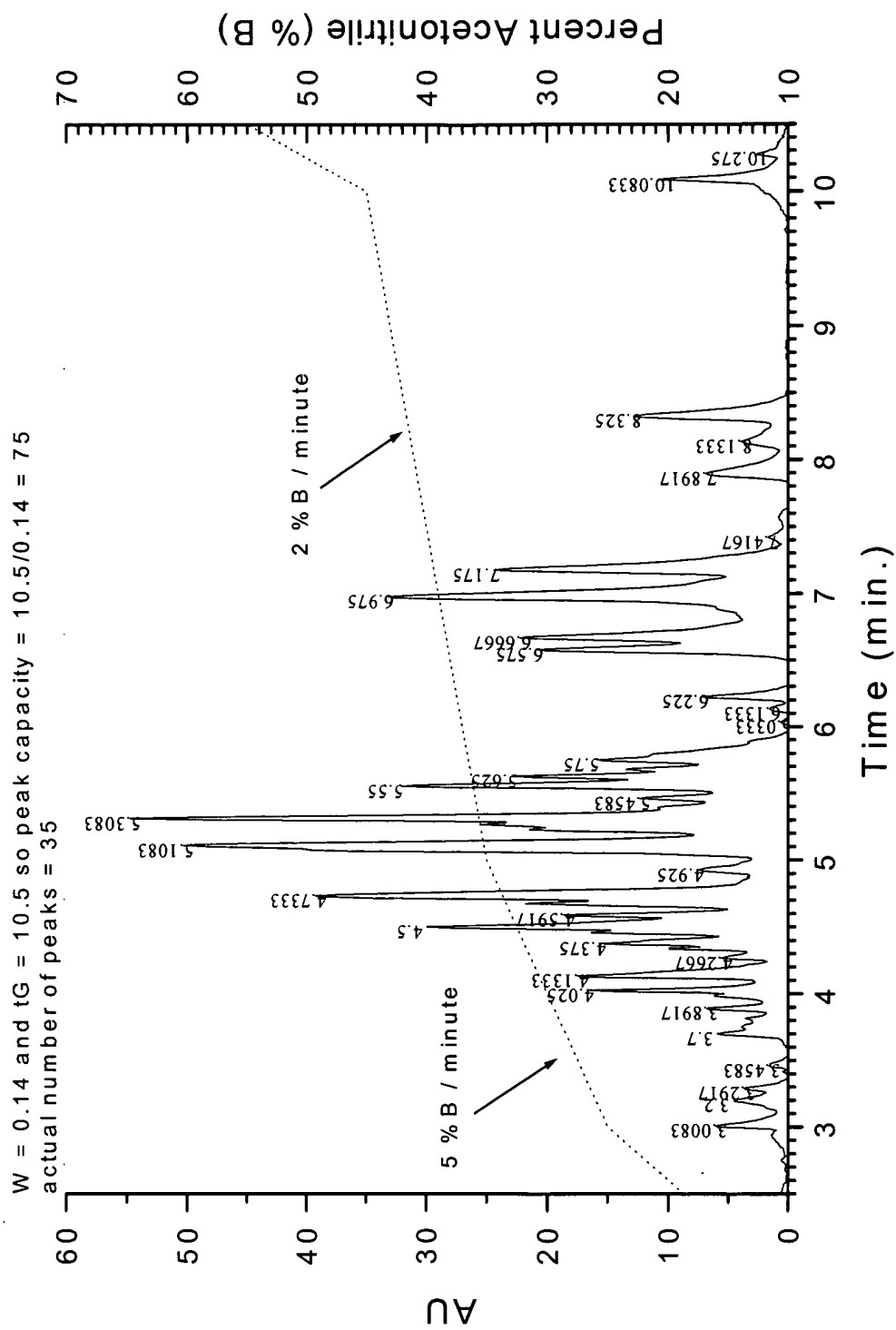
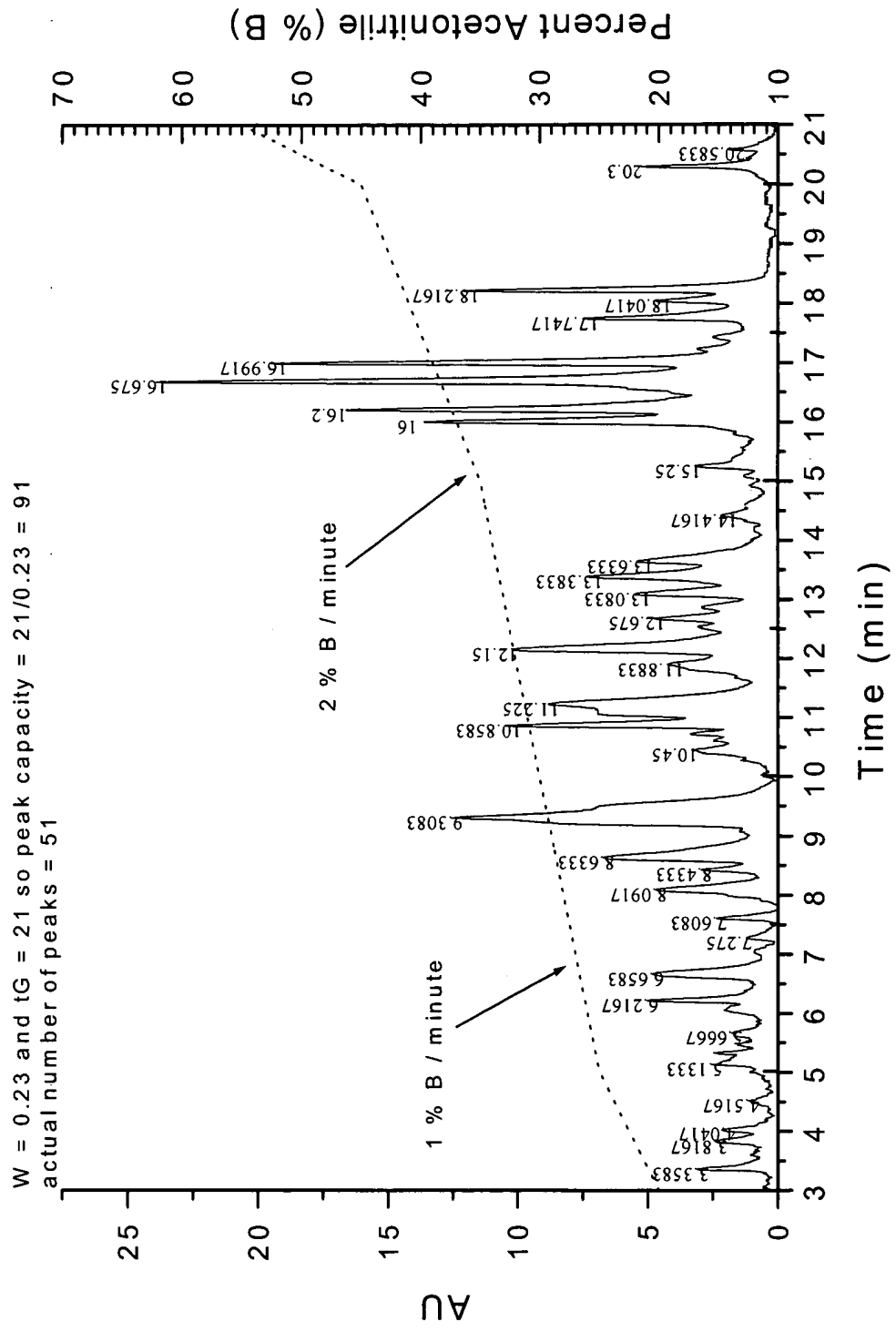
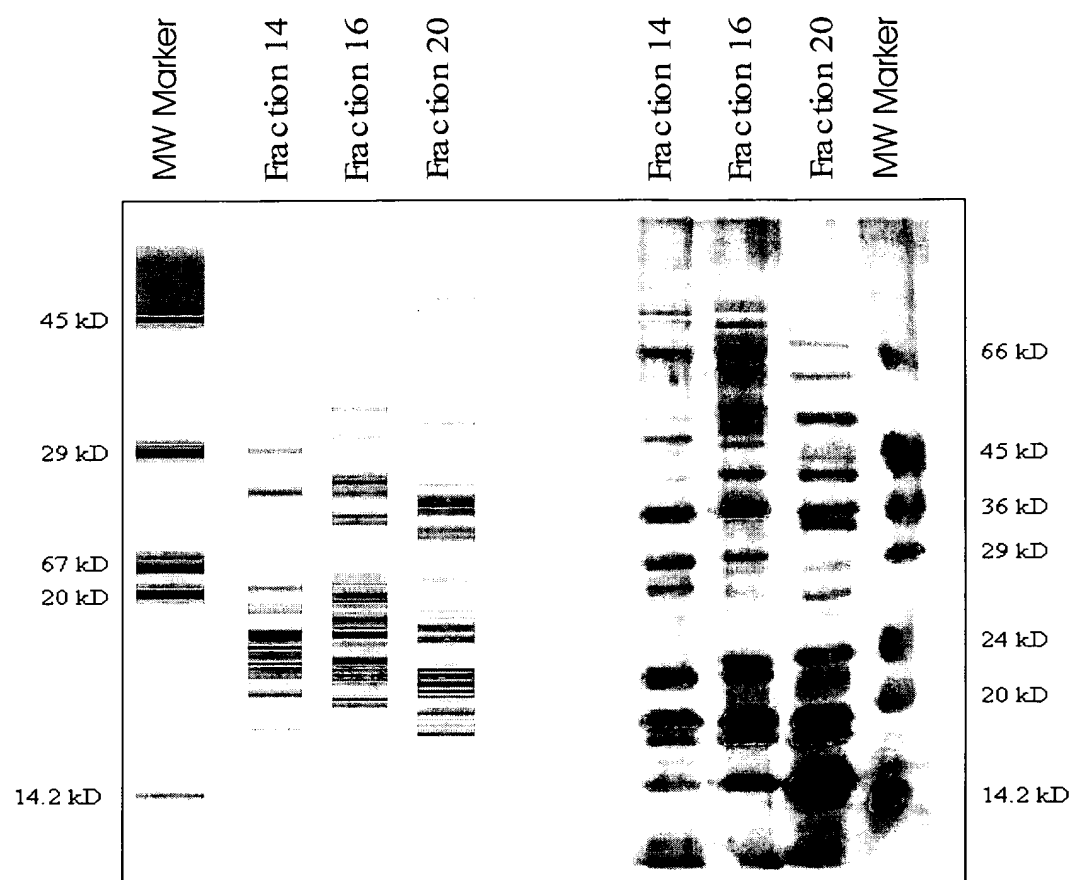


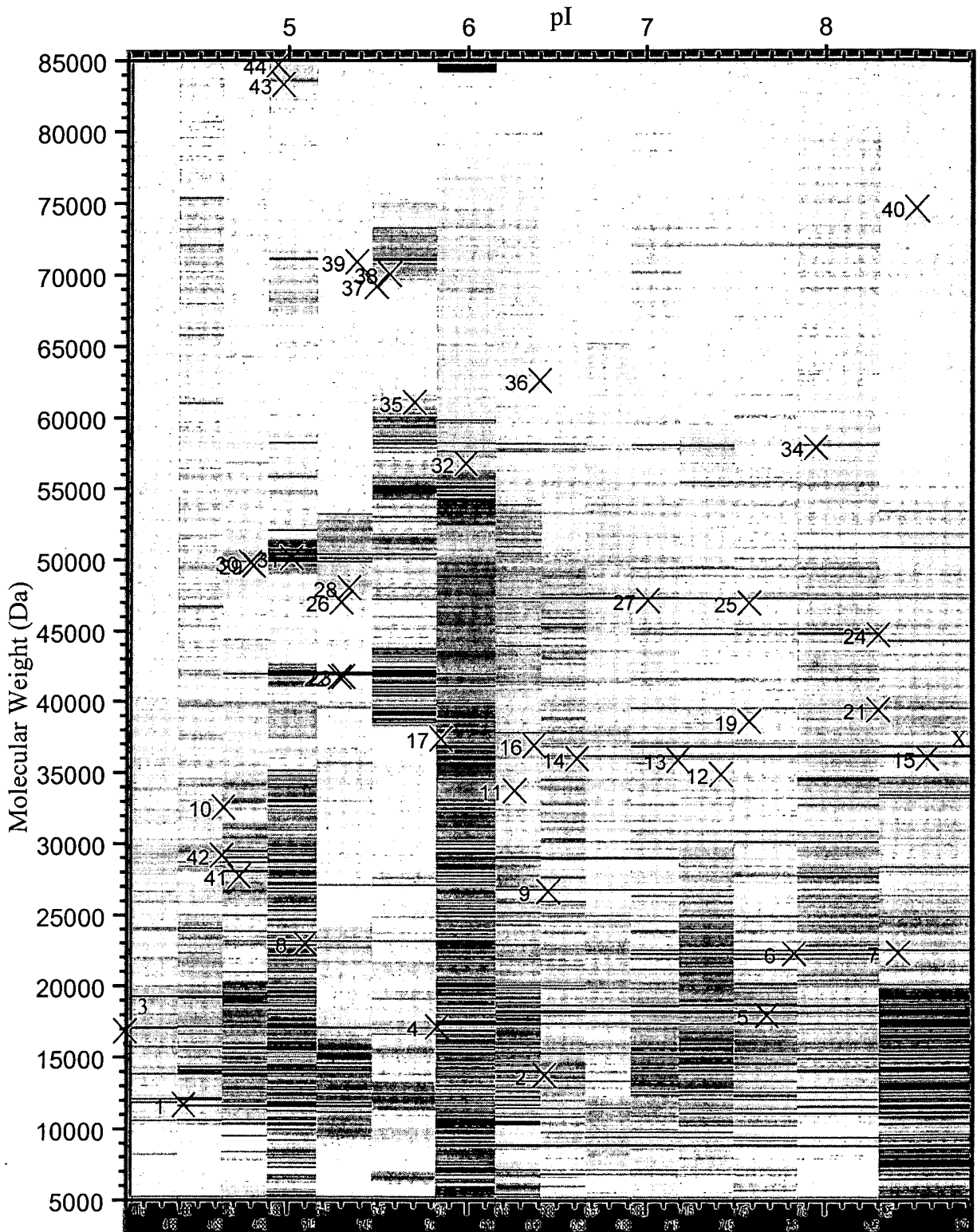
Figure 5B





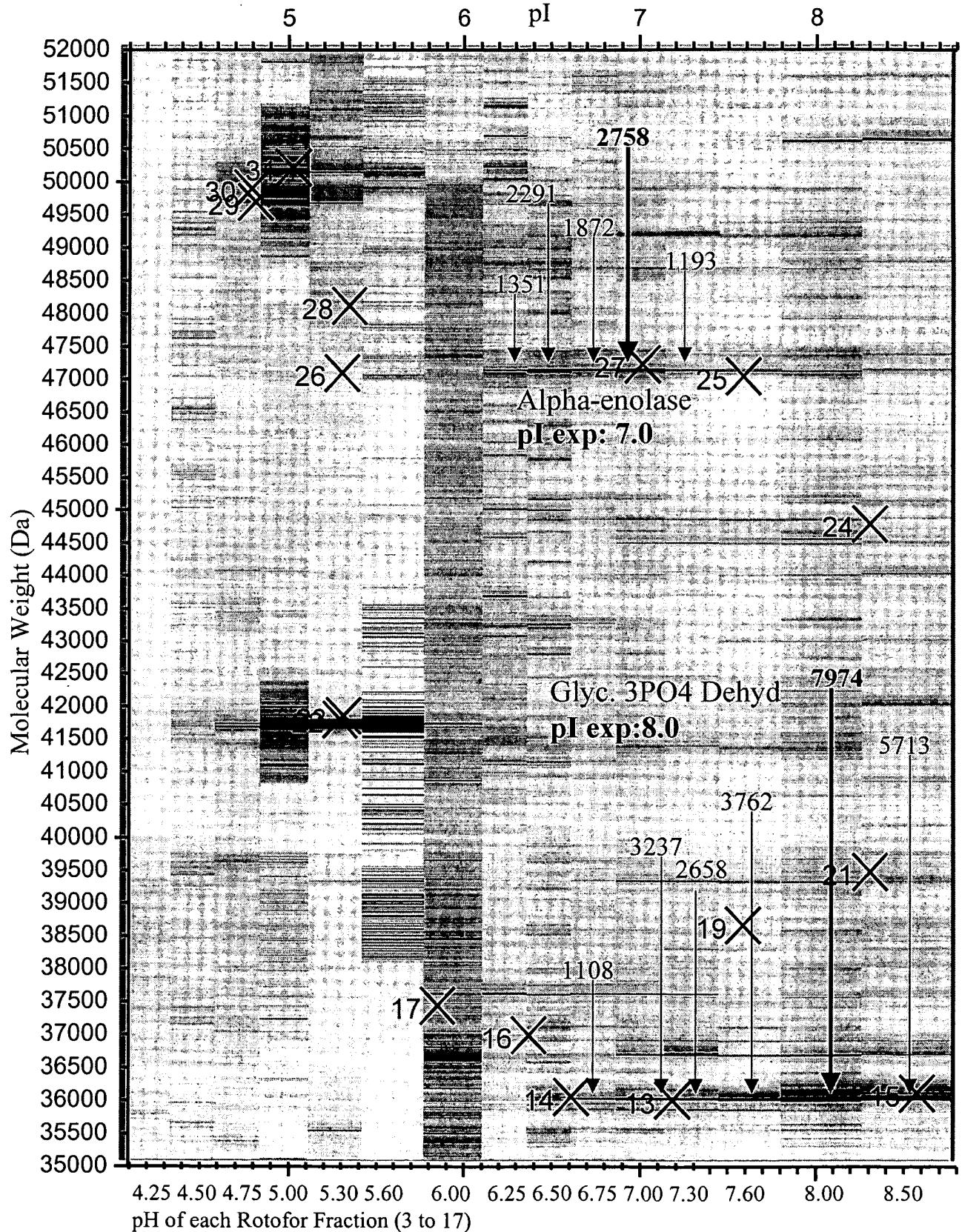
**Figure 7**

Figure 9



Key: the X marks the database coordinates of a given protein

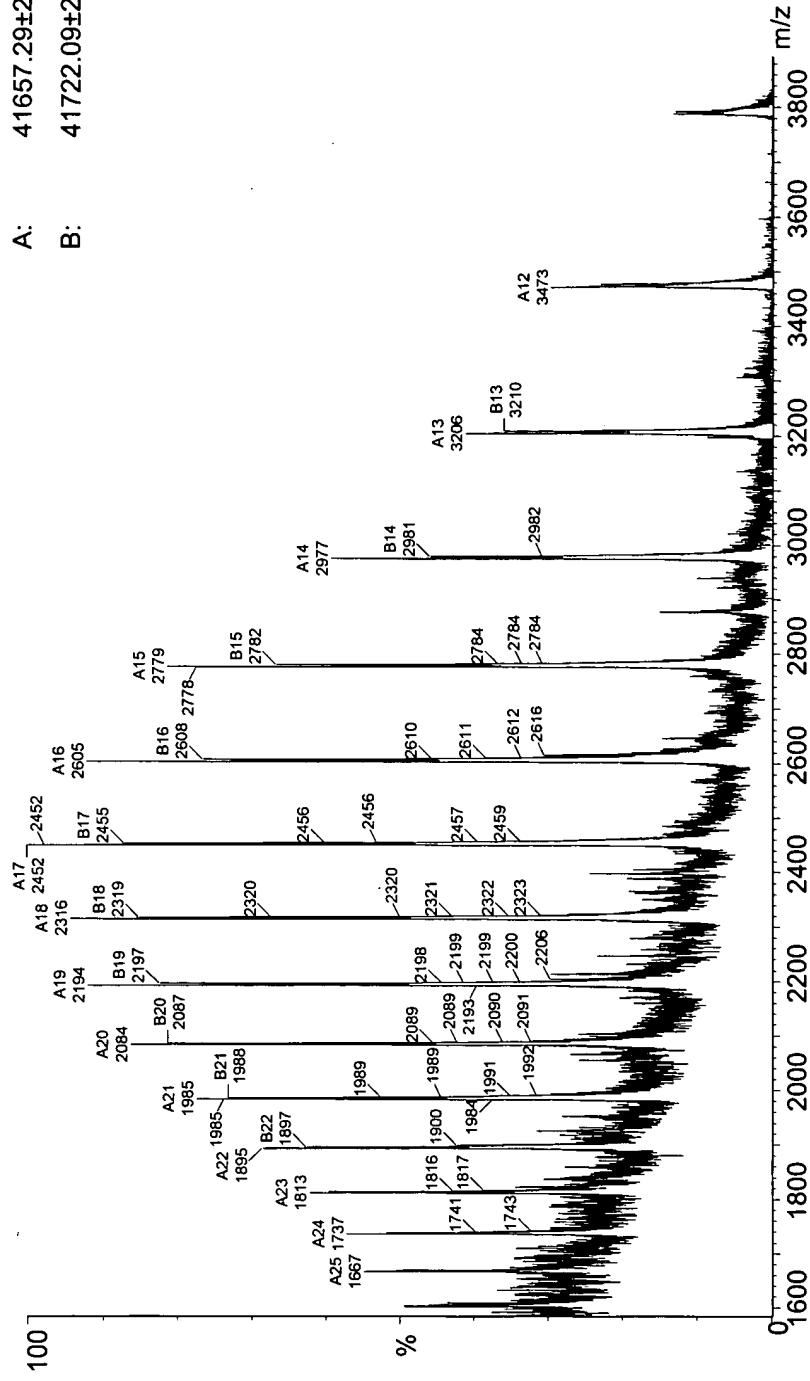
Figure 10



# Figure 11A

HPLC, flow to col=400 uL/min, f to MS = 200 uL/min. ODS1\_3x33 mm column  
 rf06\_ods13mm. 680 (11.340) Sb (1,40.00 ); Cm (671:700)

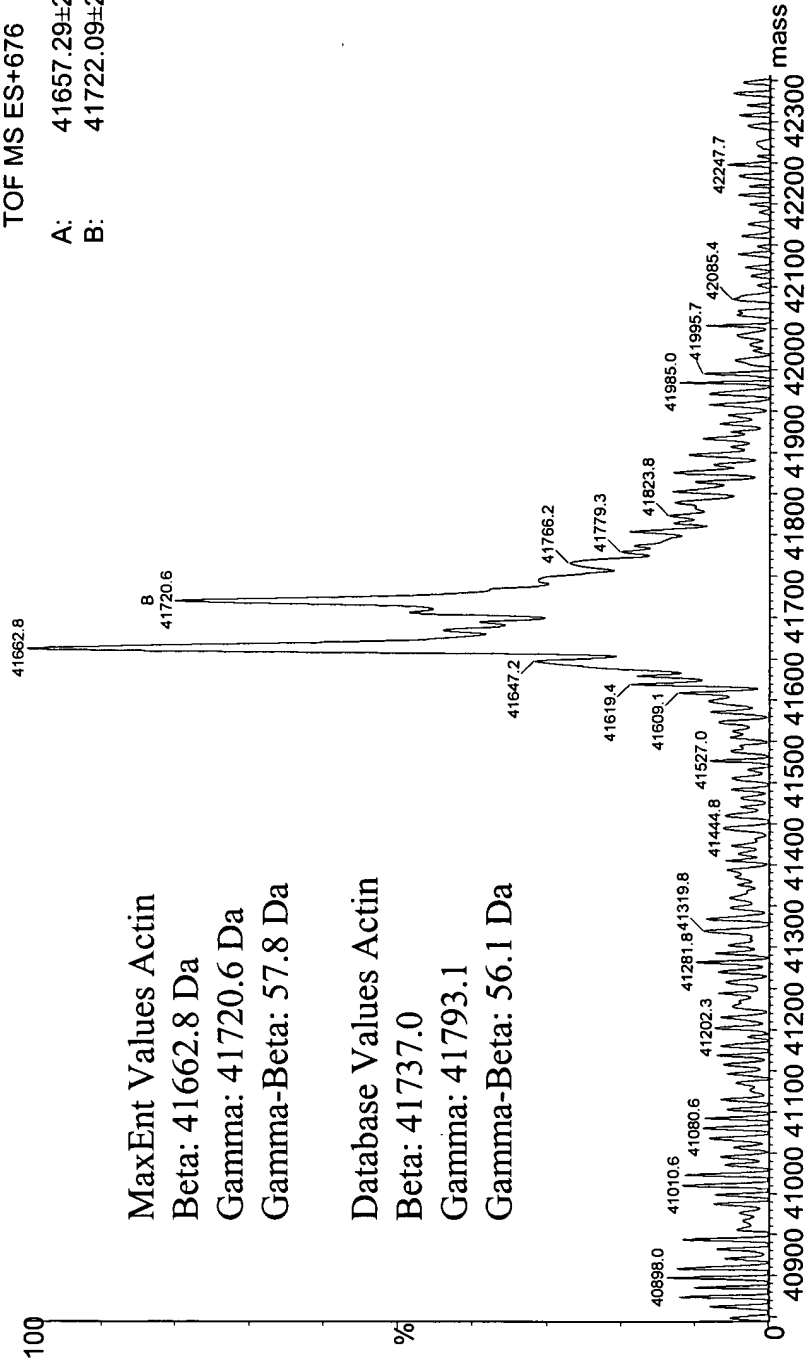
TOF MS ES+860  
 A: 41657.29±20.93  
 B: 41722.09±24.52



# Figure 11B

HPLC, flow to col=400 uL/min, f to MS = 200 uL/min. ODS1\_3x33 mm column  
 rf06\_ods13mm 680 (11.340) Sb (1,40.00 ); M1 [Ev-64244,l16] (Gs,0.750,1585:3892,0.10,L60,R60); Sb (1,40.00 ); Cm (671:700)

TOF MS ES+676  
 A: 41657.29±20.93  
 B: 41722.09±24.52



MaxEnt Values Actin

Beta: 41662.8 Da

Gamma: 41720.6 Da

Gamma-Beta: 57.8 Da

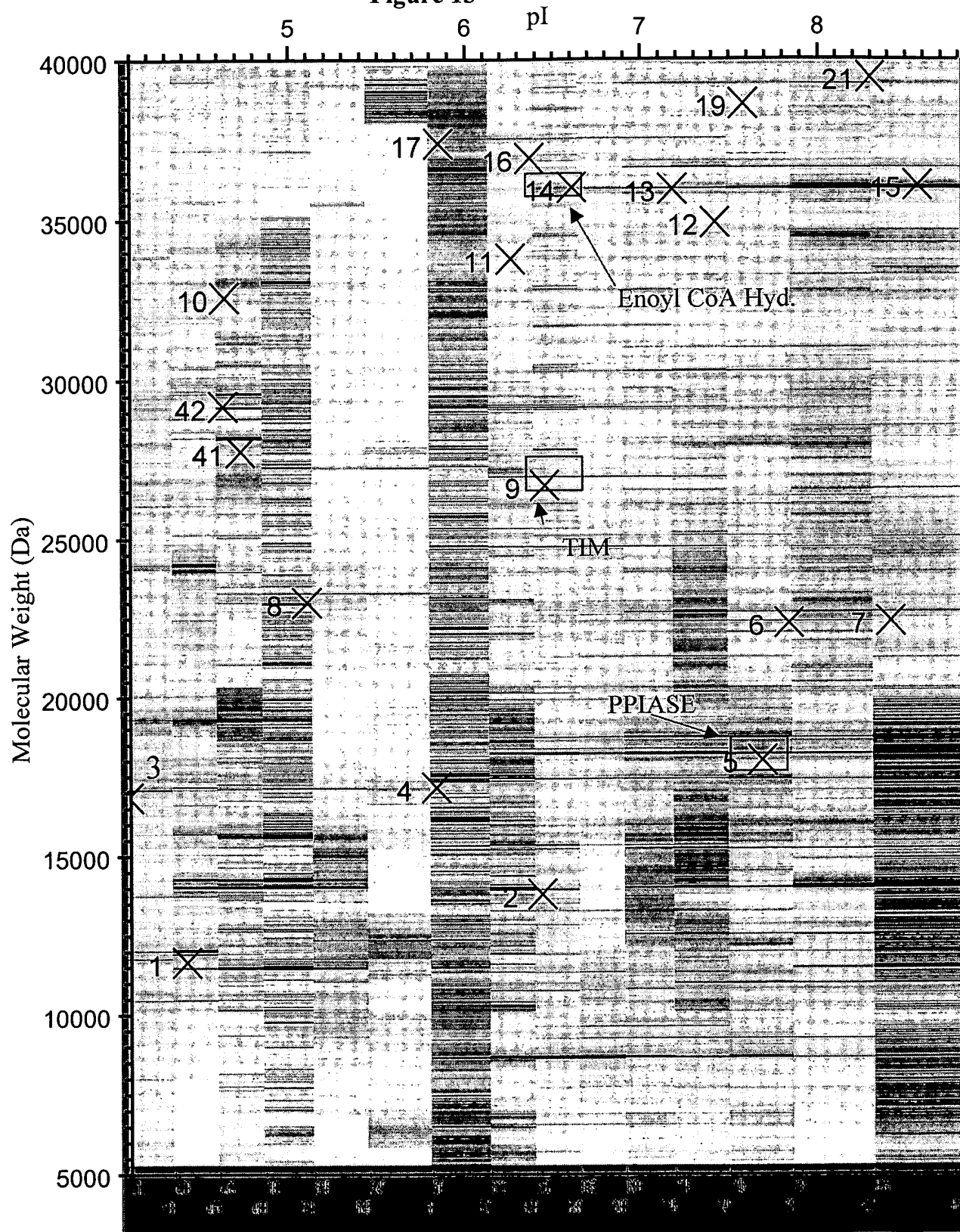
Database Values Actin

Beta: 41737.0

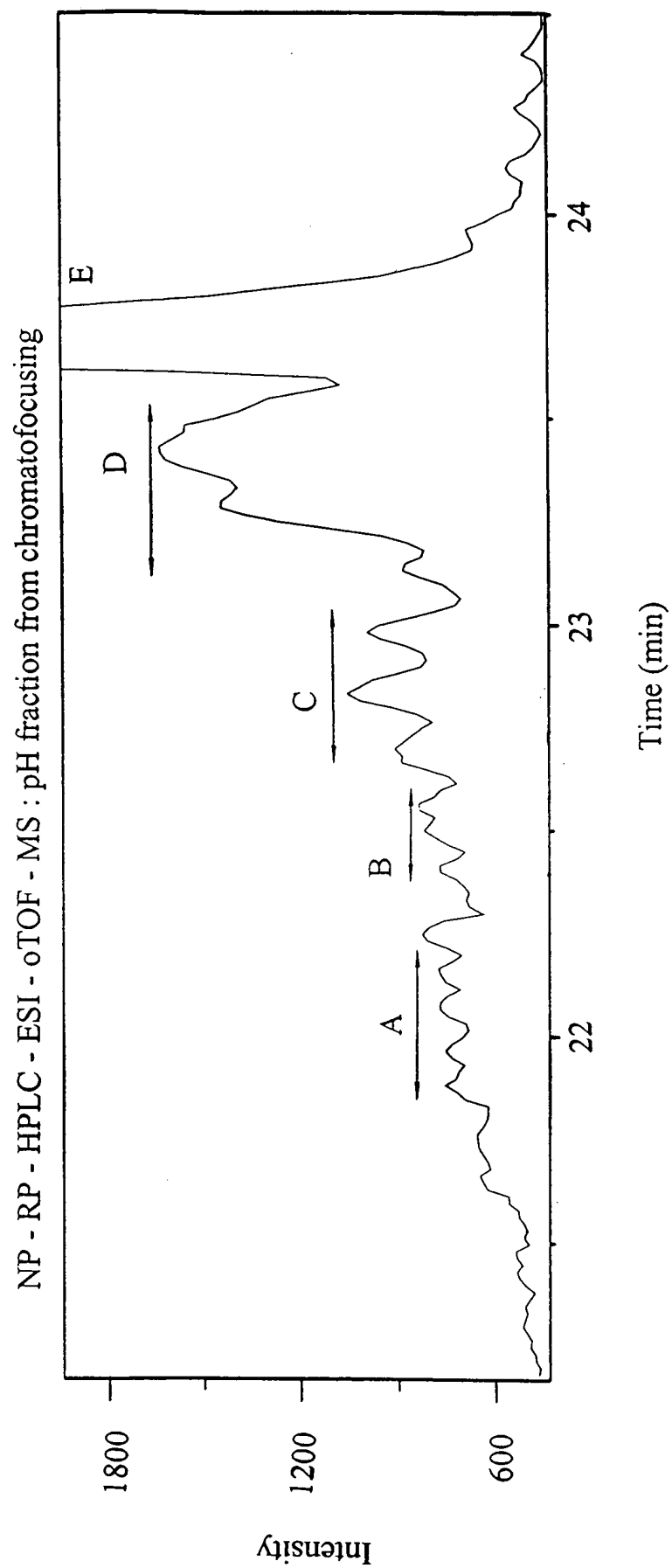
Gamma: 41793.1

Gamma-Beta: 56.1 Da

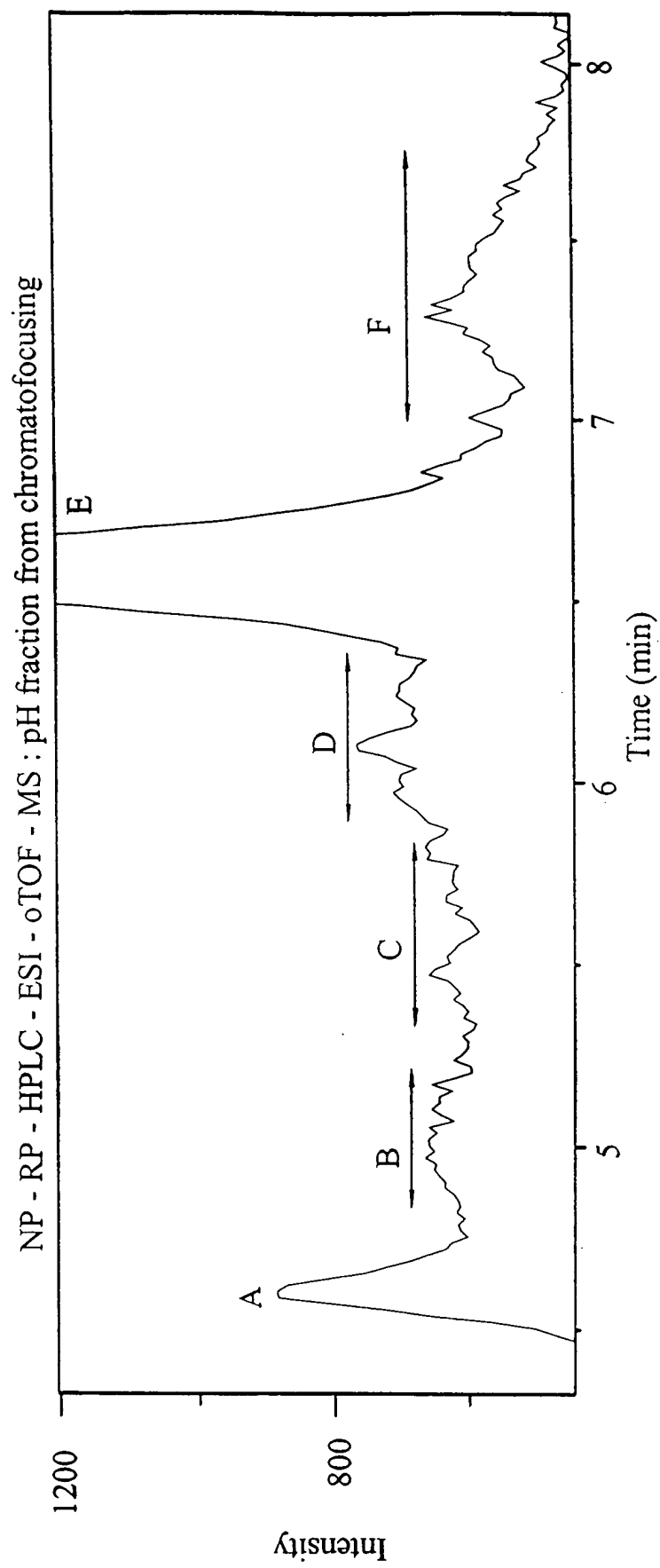
Figure 13



**Figure 15A** Fraction 1 (pH 6.75 – 6.55)



**Figure 15B** Fraction 2 (pH 5.50 – 5.25)



**Figure 15C** Fraction 3 (pH 5.20 – 4.90)

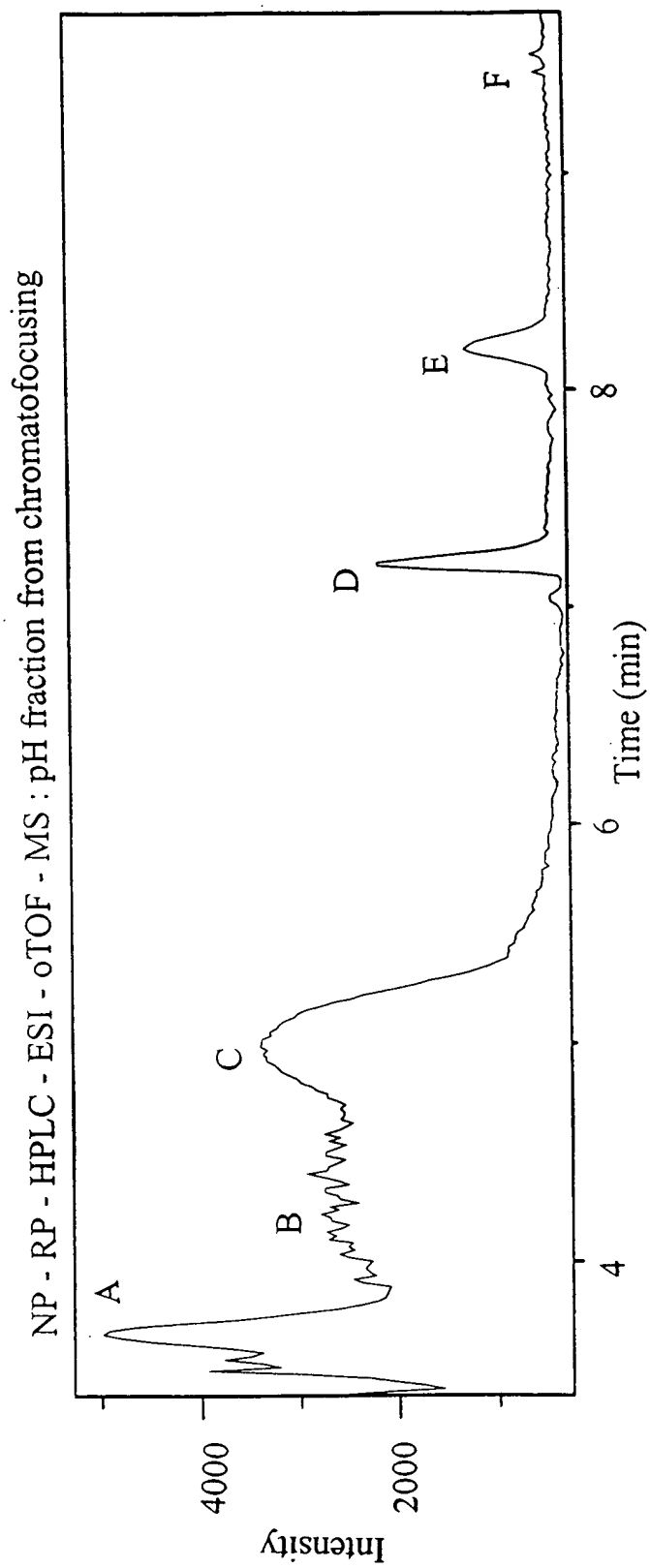
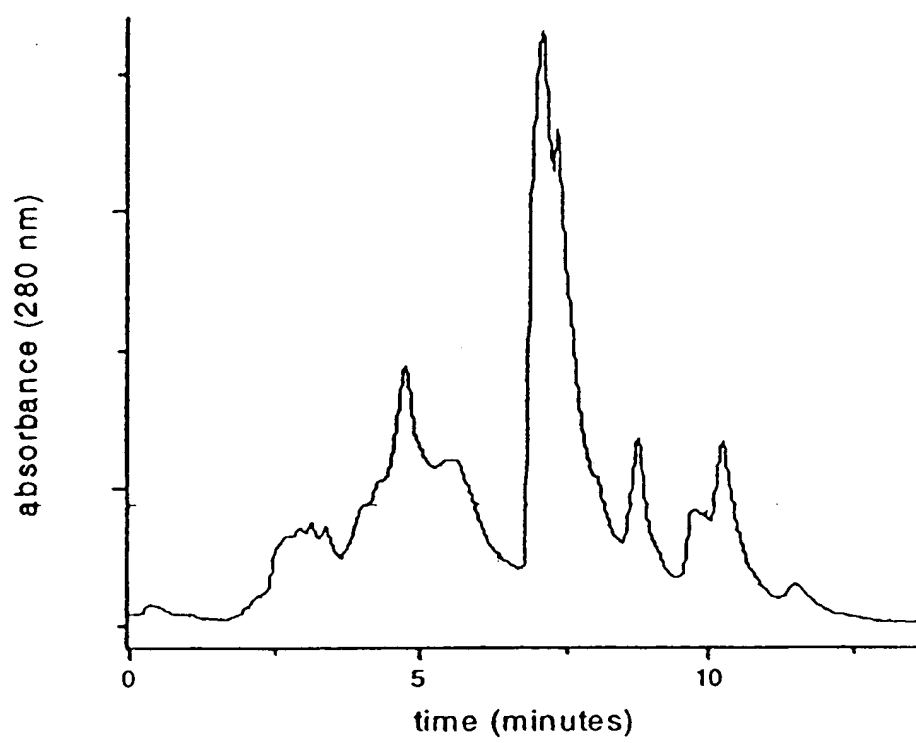
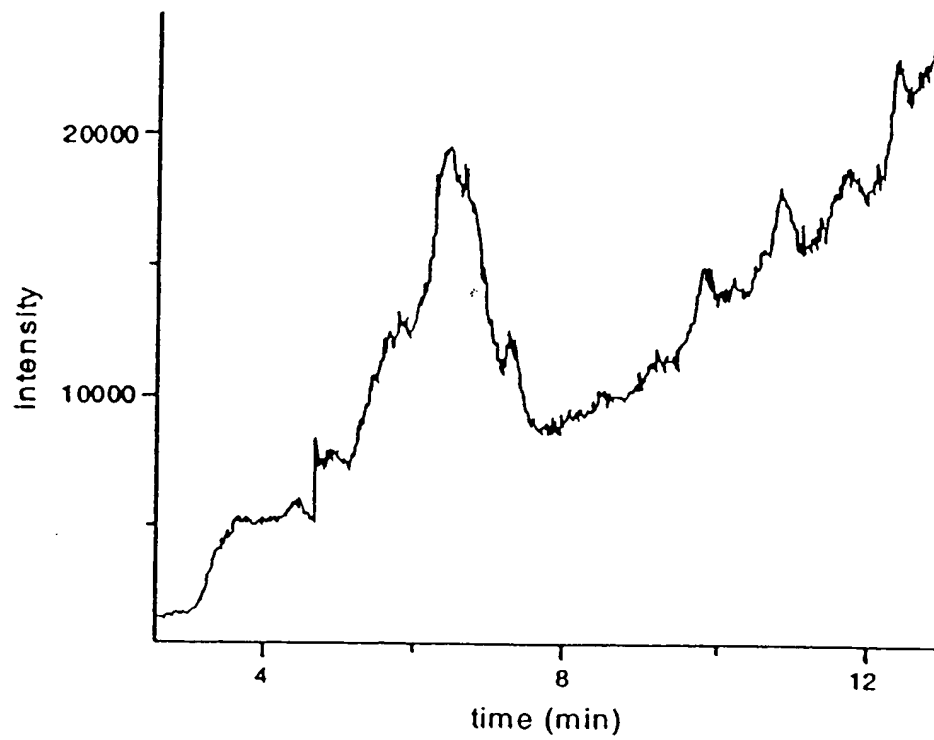


Figure 17



**Figure 18A**

Fraction collected from 3 to 4 minutes



**Figure 18B**

(b) Fraction collected from 7 to 8 minutes

